

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☒ 7. Other: Claim 42 recites amino acid sequences requiring SEQ ID NOs, as well as sequences throughout the specification, at pages 47, 48, 86, 112 and 115, for example

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

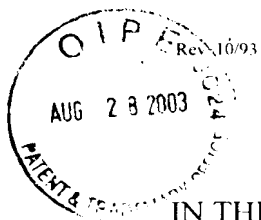
☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For Rules Interpretation, call (703) 308-4216  
For CRF Submission Help, call (703) 308-4212  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE APPLICATION OF:

JONATHAN EDWARD LIGHTNER

CASE NO.: BB1043 US NA DIV

APPLICATION NO.: 09/697379

GROUP ART UNIT: 1638

FILED: OCTOBER 26, 2000

EXAMINER: ELIZABETH F. MCELWAIN

FOR: GENES FOR MICROSOMAL DELTA-12  
FATTY ACID DESATURASES AND  
HYDROXYLASES FROM PLANTS

**STATEMENT UNDER 37 CFR 1.821 and 1.825**

Commissioner of Patents and Trademarks  
Box Sequence Listing, P.O. Box 2327  
Arlington, VA 22202

Sir:

The submission of the substitute Sequence Listing filed concurrently herewith does not include new matter.

The copy of the substitute Sequence Listing in computer readable form filed concurrently herewith is the same as the paper copy of the substitute Sequence Listing filed concurrently herewith.

Respectfully submitted,

*Lynne M. Christenbury*  
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Dated: August 21, 2003